

POLIVKA, D., Doc. Dr.

Organization of preventive therapeutic orthopedic care.
Acta chir. orthop. traum. cech. 23 no.2:99-102 Feb 56.

1. Z Orthopedického oddelení KUMZ Plzeň, přednosta doc.
Dr. Dušan Polivka.

(ORTHOPEDICS,

prev. ther. care, organiz. in Czechoslovakia. (Cz))

POLIVKA, D.

Motorcycle accidents in the light of remote sequelae. Acta chir.
orthop. traum. cech. 30 no.3:209-217 Je '63.

1. Ortopedická klinika lékařské fakulty KU v Plzni, prednosta
doc. dr. D. Polivka.

(ACCIDENTS, TRAFFIC)	(BRAIN INJURY, ACUTE)
(WOUNDS AND INJURIES)	(ACCIDENT, INSURANCE)
(JURISPRUDENCE)	(STATISTICS)

POLIVKA, D., Doc., Dr.

Soviet orthopedics and traumatology. Acta chir. orthop. traum.
cech. 23 no.3:139-146 June 56.

(ORTHOPEDICS,
in Russia (Cz))
(SURGERY, OPERATIVE,
traumatol. in Russia (Cz))

POLIVKA, D., Doc., Dr.

Various experiences with Kuntschner's nails. Acta chir. orthop.
traum. cech. 23 no.3:147-148 June 56.

1. Z orthopedické kliniky Státní fakultní nemocnice v Plzni.
(FEMUR, fract.,
surg., intramedullary nailing (Cz))
(FRACTURES.
femur., surg., intramedullary nailing (Cz))

POLIVKA, D., Doc., Dr.; HOLIK, F., Dr.

Morquio-Brailsford chondroosteodystrophy. Acta chir. orthop.
traum. cech. 23 no.6:297-301 Nov 56.

1. Orthopedické a centralní rtg oddelení Státní fakultní
nemocnice v Plzni.

(ECCENTROOSTEOCHONDRODYSPLASIA case reports,
Morquio-Brailsford chondro-osteodystrophy (Cz))

POLIVKA, D., Doc., dr.; HOLIK, F., Dr.

Case of fibrodysplasia elastica generalisata (Ehlers-Danlos syndrome). Acta chir. orthop. traum. cech. 23 no.6:311-315 Nov 56.

1. Orthopedické a centralní rtg oddelení Státní fakultní nemocnice v Plzni.

(EHLERS DANLOS SYNDROME, case reports,
(Cz))

POLIVKA, D.; KRASNY, F.; RYCHTARIK, E.

Certain clinical experiences with bone transplantation. Acta chir. orthop. traum. cech. 26 no.1:5-8 Feb 59.

1. Ortopedická klinika v Plzni, prednosta doc. dr. D. Polivka. D. P., Plzen Marxoca 13.

(BONE AND BONES, transpl.
clin. aspects (Cz))

POLIVKA, D.

Prevention and prophylaxis of congenital dysplasia of the hip. Acta
chir. orthop. traum. cech. 26 no.5-6:375-380 Nov 59.

1. Ortopedická klinika Statní fakultní nemocnice v Plzni, prednosta
doc. dr. D. Polivka.

(HIP, abnorm.)

POLIVKA, D.

Seasonal variations in the incidence of congenital luxation of the hip. Acta chir. orthop. traum. cech. 27 no.1:4-9 F '60

1. Ortopedická klinika Statni fakultni nemocnice v Plzni, pred-
nosta doc. dr. D. Polivka.
(HIP fract & disloc.)
(PERIODICITY)

Polivka, D. POLIVKA, D

Country: Czechoslovakia

Academic Degrees: MD, university professor, academician

Affiliations:

Source: Prague, Ročníky v Tuberkulóze a v Nemocích Plicích, No 4, Apr 61, pp 316-320

Date: "National Conference on Osteoarticular Tuberculosis."

References:

Polivka, D., university docent, MD.
Polivka, D., chief physician (primary), MD.
Polivka, D., chief physician, MD.
Polivka, T., MD.

SPR 901443

POLIVKA, B.; KALIBROV, A.

Data on pathological fractures of the femoral neck in women treated by irradiation in gynecological tumors (so-called postirradiation fractures of the femoral neck). Acta chir. orthop. traum. Cech. 31 no.3:216-220 1964.

1. Ortopedická klinika lékařské fakulty Karlovy University v Plzni (prednosta doc. dr. B. Polivka).

POLIVKA, D.

Immediate and late degenerative changes in the articular surface.
orthop. traum. czech. 31 no.5:427-430 1981.

1. Ortopedická klinika Lékařské fakulty Karlovy University v Praze
(prednosta doc. (r. D. Polivka).

POLIVKA, Dusan; LANDRIGOT, Bohumil

Scoliosis in mental disorders. Acta chir. orthop. trauma. cecosl. 29
no.3:249-251. Jo '62.

1. Ortopedická klinika fakultní nemocnice v Pízni, přednosta doc. dr.
D. Polivka Psychiatrická léčebna v Dobrušce u Plzně, ředitel dr.
J. Nemeczek.

(SCOLIOSIS compl)

(MENTAL DISORDERS compl)

POLIVKA, F.

Standardisation of the production of metal consumers' goods; p. 52

VYNALEZY A NORMALISACE, OCHRANNE ZNAMKY, CHRANENE VZORY. Czechoslovakia,
Vol. 4, No. 3, Mar 1955. (Normalisace)

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, Sep 1959
Uncl.

POLIVKA, F.

Attitude of research and development units toward standardization.

p. 183

Vol. 5, no. 4, 1955

ZA SOCIALISTICKOU VEDA A TECHNIKU

Praha, Czechoslovakia

Source: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, no. 2
February 1956, Uncl.

POLIVKA, F. - Normalisace - Vol. 4, no. 2, Feb. 1955.

Standardization in the production of metal consumers' goods. p. 30

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

CA

19

Do isochromates exist in glass with internal tension?
Jar. Polivka. *Tekhn. Voprosy* 2, 27(1937); Chem. Abstr. 13,
Abstracts 125.—The existence of isochromates is contrary
to the fundamental Brewster-Wertheim law. F. M.

ASB-SLA DETALLURGICAL LITERATURE CLASSIFICATION

AULOVA, J.; EBEL, J.; KOFRON, J.; POLIVKA, J.; PROSEK, V.; RYBIN, B.

The time of survival of patients with malignant tumors of the bones.
Acta chir. orthop. trauma. Cech. 28 no.4:366-369 Ag '61.

1. II ortopedicka klinika, prednosta prof. dr. O. Hnevkovsky, chirurg.
klinika Pod Petrinem, prednosta doc. dr. Z. Vahala, UNV nem. na Bulovce,
ortop. odd., prednosta doc. dr. R. Pavlansky, UNV nem. v Motole,
chirurg. odd., prednosta prof. dr. B. Niederle, II. chirurg. klinika
SFN, prednosta doc. dr. J. Lhotka, UVN ve Stresovicich, ortop.
odd., prednosta dr. B. Eiselt.

(BONE AND BONES neoplasms)

AULOVA, J.; EBEL, J.; KOFRON, M.; POLIVKA, J.; PROSEK, V.; RYBIN, B.

A report on patients with malignant tumors of the locomotor organs hospitalized during 1945-1960 in Prague institutions. Acta chir. orthop. trauma. Cech. 28 no.4:360-364 Ag '61.

1. II ortopedicka klinika, prednosta prof. dr. O. Hnevkovsky,
chirurgicka klinika ped. fak. Pod Petrinem, prednosta doc. dr. Zd.
Vahala, UNV nem. na Bulovce, ortop. odd., prednosta doc. dr.
R.Pavlansky, UNV nem. v Motole, chirurg. odd., prednosta prof. dr.
B.Nierderie, II. chirurgicka klinika SFN, prednosta doc. dr. J.Lhotka,
UNV ve Stresovicich, ortop. odd., prednosta dr. B.Eiselt.
(BONE AND BONES neoplasms) (SARCOMA statistics)

POLIVKA, Jiri

CZECHOSLOVAKIA

MD

(Presumably) Surgical Department of the UNV-Hospital,
Prague-Motol; Director: E. Niederle, Prof. Dr.

Prague, Prakticky Lekar, No. 18, 1962, pp 783-784

"Metastasis of Cancer in Bones as First Symptom of
the Disease"

Co-authors:

AULOVA, Jirina, MD, (presumably) II. Clinic for
Orthopedic and Child Surgery, Prague; Director: O. Knev-
kovsky, Prof. Dr.

EBEL, Jiri, MD, (presumably) Surgical Clinic of
University Hospital "Pod Petrinem"; Director: Z. Vahala,
Docent Dr.

LEZAL, D.; POLIVKA, P.

Preparation of crystallization layers of semiconductor materials.
El tech cas¹⁵ no. 9:564-568 '64.

L 31200-66 EWP(t)/ETI IJP(c) JD

ACC NR: AP6022555

SOURCE CODE: CZ/0008 /66/000/001/0083/0086

AUTHOR: Polivka, Pavel; Eckstein, Juraj

ORG: CKD, n.p., Factory for the Production of Semiconductors (CKD, n.p., zavod Polovodice)

TITLE: Preparation of hydrogen chloride of high purity

SOURCE: Chemické listy, no. 1, 1966, 83-86

TOPIC TAGS: hydrogen chloride, chemical purity, silicon compound, halide, chemical decomposition, hydrogen

ABSTRACT: The authors describe a method for preparation of HCl of very high purity; it is based on the decomposition of SiCl_4 of a purity suitable for semiconductor work. The reaction is conducted at 1000 to 1300°C in a quartz tube filled with quartz particles through which a stream of pure hydrogen is passed. The gas prepared in this manner may be measured exactly and used for the etching of surfaces to a predetermined depth. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 07 / SUBM DATE: 14Jan65 / ORIG REF: 002 / OTH REF: 011

Card 1/1 BLG

095

0564

LEZAL, Dimitrij; POLIVKA, Pavel

Purification of indium to semiconductor purity. Chem listy
58 no. 7:823-826 J1 164.

1. Laboratory of Semiconductors, Ceskomoravska-Kolben-Barak
National Enterprise, Prague.

9749-66 EWP(e)/T/EWP(t)/EWP(b)/EWA(c) ID/WH/WH
ACC NR: AP5027698

SOURCE CODE: CZ/0037/65/000/006/0531/0534

AUTHOR: Eckstein, J.; Polivka, P.; Petrasek, J.

ORG: [Polivka, Petrasek] Semiconductor Plant, CKD, Prague (CKD Praha n.p. - zavod Polovodice); [Eckstein] SAV Physics Institute, Bratislava (Fyzikalny Ustav SAV)

TITLE: Deposition chamber for epitaxial growth

SOURCE: Ceskoslovensky casopis pro fysiku, no. 6, 1965, 531-534

TOPIC TAGS: epitaxial growing, semiconductor, single crystal growing

ABSTRACT: A chamber for the epitaxial deposition of thin monocrystalline semiconductors has been tested and is described. The chamber for small substrate plates is within and separated from the heating chamber (a hollow graphite cylinder which may also be made of molybdenum, tantalum, or of molybdenum disilicide). The gas medium in the outer cylinder need not be the same as that in the inner chamber, depending on the material of the heater. Intake and outlet nozzles at the ends of the inner chamber are sealed with cap nuts and packing. The substrate disks do not lie on the bottom of the inner chamber, but are placed in grooved holders which leave most of their surfaces exposed to the gas medium. These holders are made of graphite, fused quartz, or of high-ohmic silicon and may be either U-shaped or shaped to fit the cylinder. Such holders make possible the deposition on both faces of the disks in one operation and in any selected system (p-n-p; n-p-n; n⁺-n-n⁺; p⁺-p-p⁺, etc.). If a deposit is desired on

Card 1/2

Card 2/2

L 34673-66 EWP(t)/ETI IJP(c) JD
ACC NR: AP6025867

SOURCE CODE: CZ/0043/65/000/008/0620/0627

AUTHOR: Lezal, Dimitrij--Lezhal, D. (Engineer; Candidate of sciences; Prague);
Polyk, Pavel (Engineer; Prague)

ORG: Laboratory of New Semiconductor Materials, Factory for the Production of Semi-
conductors, CKD, Prague (CKD, Zavod Polovodice, Laborator novych polovodicovych
materialu)

TITLE: Preparation of high purity arsenic (As)

SOURCE: Chemické zvesti, no. 8, 1965, 620-627

TOPIC TAGS: chemical purity, arsenic, sublimation, hydrogen, chemical reduction,
distillation, spectrographic analysis, indium compound, chemical production

ABSTRACT: The As is first sublimed in a stream of hydrogen, the product is then burned in an oxygen stream, the oxide is crystallized from a 6M solution of hydrochloric acid, and the crystals are sublimed in a hydrogen stream, in which a simultaneous reduction to metallic As takes place. Traces of S, Se, and Te are removed by distillation from liquid lead. The purity of the product was determined by spectrographic methods, and by electric parameters of Indium arsenide prepared from the purified As. The method yields As with a 99.999% to 99.9999% purity/starting with commercial As. This purity is satisfactory for the production of semiconductors. The authors thank Graduate Chemist M. Zisk for carrying out the analysis. Orig. art. has: 3 figures and 2 tables. /JPRS/

SUB CODE: 07 / SUBM DATE: 28Jan65 / ORIG REF: 004 / SOV REF: 002 / CTR REF: 010
Card 1/1 LS

LEZAL, D.; POLIVKA, P.

Contribution to the epitaxial growth of silicon. El tech
cas 16 no.1:55-58 '65.

POLIVKA, P.; LEZAL, D.

Contribution to the preparation of thin layers of indium
arsenide by vacuum steaming. El tech cas 15 no.3:189-190
'64.

JAHN, M.; POLIVKA, V.; TICHY, A.

Arthrogryposis congenita multiplex in a 1-month-old child.
Cesk. pediat. 20 no.2:150-152 F '65

1. Detske oddeleni nemocnice s poliklinikou v Karvine IV, Raji
(vedouci MUDr. V. Polivka); Patologickoanatomicke oddeleni krajske
nemocnice s poliklinikou v Ostrava (vedouci: doc. dr. C. Dvoracek).

L 4000/-00 000000 000000 000000
ACC NR: AP6022441 (4) SOURCE CODE: CZ/0078/66/000/003/0015/0015

AUTHOR: Dokoupil, S. (Engineer; Prague); Polivka, V. (Engineer; Prague) 47 B

ORG: none

TITLE: A detector¹ probe of radioactive radiation. CZ Pat. No. PV 927-64,
Class 21

SOURCE: Vynalezy, no. 3, 1966, 15

TOPIC TAGS: detection equipment, radioactivity measurement, photomultiplier

ABSTRACT: A radiation detector¹⁴-probe has been introduced which incorporates a photomultiplier whose anode or output dynode is connected to an integrating capacitor by a feed resistor. The resistor feeds a current amplifier whose input impedance is substantially lower than the feed resistance; therefore, the time constant of the response decay is predominantly determined by the integrating capacity and the feed resistance. Four points of the patent are enumerated.
[Translation] [KP]

SUB CODE: 18/ SUBM DATE: 19Feb64/

Card 1/1 *plw*

ACC NR: AP6022440

(A)

SOURCE CODE: CZ/0078/66/000/003/0015/0015

INVENTOR: Dokoupil, S. (Engineer; Prague); Polivka, V. (Engineer; Prague); Vorliceck, J. (Engineer; Prague)

ORG: none

TITLE: Connecting device. CZ Pat. No. PV 928-64, Class 21

SOURCE: Vynalezky, no. 3, 1966, 15

TOPIC TAGS: radioactivity, radioactivity measurement, nuclear radiation detection, *PULSE SIGNAL, RADIATION DETECTING DEVICE*

ABSTRACT: A connecting device for transferring signals from the pulsed detectors of a radioactive device is proposed. It is distinguished by the following: the output from the detecting probe is provided with a radioactive-radiation detector having a pulsed signal of a certain polarity, and the output, from the detecting probe is provided with a radioactive-radiation detector having a pulsed signal of an opposite polarity. The input and output are connected to the cable input which, either at one or both ends, is matched by a characteristic resistance equalling the characteristic impedance of the cable. The cable output is connected both to the input of the evaluating circuit for evaluating the pulsed signals of a polarity and to the input of the evaluating circuit for evaluating the pulsed signals of an opposite polarity. Eight items of the patent's subject matter follow. Registered, February 19, 1964 (PV 928-64).

SUB CODE: 18/ SUBM DATE: 19Feb64/

Card 1/1

I 07906-67 IJP(c) RIM/RO

ACC NR: AP6022439 (A) SOURCE CODE: CZ/0078/66/000/003/0014/0015

AUTHOR: Dokoupil, Stanislav (Engineer; Prague); Polivka, Vaclav (Engineer; Prague)

55
B

ORG: none

TITLE: A cable-feed electronic circuit for radiation detector-probe. CZ Pat. No. PV 656-64, Class 21

6
19

SOURCE: Vynalezky, no. 3, 1966, 14-15

TOPIC TAGS: electronic circuit, radiation detecting device, electrode, resistor, capacitor

ABSTRACT: A connection circuit for a radiation detector-probe has been introduced, designed primarily for cable-feeding into a high working impedance. The output electrode of the detector-probe is coupled to an integrating capacitor through a by-pass capacitor whose capacity matches that of the output electrode. An integrating resistor which is also connected to the capacitor feeds a current amplifier whose input impedance is substantially lower than the integrating resistance and, therefore, the time constant of the response decay is predominantly

Card 1/2

1. 072000067

ACC NR: AP6022439

determined by the RC integrator. Its value is lower than that of the time constant determined by the total capacity of the output electrode of the probe and its working resistance. [Translation]

SUB CODE: 18/ SUBM DATE: 05Feb64/

Card

2/2

gd

POLIVKA, Vaclav, promovany ekonom

Distribution and control of tasks on reduction of work
involved in production. Pod org 17 no.10:440-444 0 '63.

1. Ceskomoravska-Kolben-Danek-Praha, zavod Pristroje.

POLIVKA, Viktor (Lt. Col. MD) (Garrison Hospital in Olomouc)

Author of article, "Complications in Chest Injuries; Based on Soviet Medicine During the Great Patriotic War of 1941-1945," discussing different types of cases of chest injuries and their treatment.
(VZL, Jan 55)

SO: Sum. 600, 1 Aug. 1955,

POLIVKA, Vladimir

Wolff-Parkinson-White syndrome in children. Cesk. pediat. 12 no.3:
252-256 Mar 57.

1. Deteke odd. OÚEZ Karvina, prednosta prim. MUDr. Vlad. Polivka.
(HEART BLOCK, in inf. & child
Wolff-Parkinson-White synd. (Cs))

Polivka, V.
BOBAK, Jan; POLIVKA, Vladimir

Congenital multiple cardiac rhabdomyoma associated with tuberous sclerosis of brain. Cesk. pediat. 13 no.3:251-255 5 Apr 58.

1. Detske oddeleni OUM v Karvine, prednosta Vladimir Polivka pro-sektura OUM v Ostrave, prednosta Vojtech Renc.

(HEART, neoplasms

rhabdomyoma, multiple congen. with tuberous sclerosis in child, case report (Cs))

(RHABDOMYOMA, in inf. & child

heart multiple, congen., with tuberous sclerosis, case report (Cs))

(TUBEROUS SCLEROSIS, in inf. & child

with congen. multiple cardiac rhabdomyoma, case report (Cs))

POLIVKA, Vladimir; DELONG, Vladislav

Idiopathic pulmonary hemosiderosis. Cesk. pediat. 13 no.5:422-425 5
June 58.

1. Detské odd. OUNĚ Karvina, prednosta prim. MUDr. Vlad. Polivka
Patologikoanatom. odd. OUNĚ Karvina, prednosta prim. MUDr. Vlad Delong.
(LUNG DISEASES, in infant & child
hemosiderosis, idiopathic (Cz))
(HEMOSIDEROSIS, in infant & child
pulm. idiopathic (Cz))

CZECHOSLOVAKIA

PALECEK, J; POLIVKA, Z

Institute of Organic Chemistry, College of Chemical
Engineering, Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 12, December 1966, pp 4592-4597

"Azabicyclocompounds. Part 7: On the synthesis of
Winterfeld's 2-methyl-1-aza-bicyclo [2,2,2] octane
and the production of 4-methyl-1-aza-bicyclo [4,2,0]
octane."

L 3124-66 EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5026880

CZ/0034/65/000/006/0388/0393

AUTHOR: Cisar, Vlastimil (Engineer); Danihelka, Antonin (Doctor, Engineer); Polivkova, Jana 20

TITLE: Study of Perrin's process on a cold model 19

SOURCE: Hutnicke listy, no. 6, 1965, 388-393 18

TOPIC TAGS: metal melting, slag, zinc compound, bromide 17

ABSTRACT: Intensification of the contact between the slag and metal phases during refining was investigated. The process was also compared to other refining processes. In experiments on the cold model zinc bromide represented the metal phase, dibutyl ether the slag phase, and thallium was used as the indicator. Mixing efficiency was expressed as parts of Tl passing from the metal to the slag phase. Amounts of Tl were determined polarographically. Effect of casting height was determined in field trials. Mixing efficiency increases in direct proportion to the casting height. Optimum casting height, and the mechanism of mixing are analyzed. "The authors thank the director of analytical laboratory VUHZ, Eng. Boris Rehaka, Candidate of Sciences, for the selection of the appropriate model liquids, developing a method for determining the indicator transition and a method for recovering the used model liquids." Orig. art. has: 4 figures, 3 tables. Card 1/2

Card 2/2

POLIVKOVA, Kveta, MUDr.

History of *gynecology* in Olomouc. *Cesk. gyn.* 21 no.5:411-417
Nov 56.

(GYNECOLOGY, hist.
in Czech. (Cz))

L 44569-66 EWT(1)/EWP(m)/EEC(k)-2 SCTB TT/DD/GW

ACC NR: AP6030910

SOURCE CODE: UR/0209/66/000/009/0044/0047

AUTHOR: Voronin, G. (Doctor of technical sciences; Professor); Polivoda, A.
(Candidate of biological sciences); Vinogradov, Ye. (Engineer)

ORG: none

TITLE: Spacecraft life-support systems

SOURCE: Aviatsiya i kosmonavtika, no. 9, 1966, 44-47

TOPIC TAGS: manned spaceflight, space biology, life support system

ABSTRACT: Problems in the design, requirements, and operation of spacecraft life-support systems (storage systems, physical and chemical regeneration systems, bioregeneration systems) are discussed. The daily life support requirements of a 70-kg man in space are given as: 600 liters of O_2 , 2.3 kg H_2O , and 0.6—0.7 kg of food-stuffs (100—150 g of protein; 70—90 g of fat; 420—500 g of carbohydrate). Water makes up 4/5 the total weight of food rations. O_2 supplies can be stored in compressed cylinders at 500—700 atm, in a solid or near-solid state at low temperature, or in chemically bound form (superoxide compounds or in the form of H_2O_2). The advantage of superoxide systems is their simplicity and efficiency; they simultaneously yield O_2 while absorbing CO_2 . The main disadvantage of such systems for prolonged spaceflights would be weight. Physical or chemical regenerations are even more complicated than storage systems and neither type would be suitable for prolonged flights.

Card 1/2

USSR / Human and Animal Physiology. The Effect of
Physical Factors. Ionizing Irradiations.

T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102350.

Author : Polivoda, A. I.

Inst : Not given.

Title : Structural Changes in the Tissues of Irradiated
Animals.

Orig Pub: Tr. Vses. konferentsii po med. radiol. Eksperim.
med. radiol. M., Medgiz, 1957, 150-153.

Abstract: By means of a special mount (according to a diagram of a symmetrical bridge) for study of the electrical characteristics of the tissues, which allows the separate measuring of the capacity and ohmic resistance, the effect of aqueous extracts of liver homogenate (ELH) of mice which were irradiated with 900 r (Co^{60}) on the surviving normal

Card 1/3

POLIVODA, A.I., ZOLOTOVA, A.A.

Studying the electric conductivity of liver and spleen homogenates
in radiation injury. Biofizika 3 no.3:320-324 '58 (MIRA 11:6)

(RADIATION--PHYSIOLOGICAL EFFECT)

(ELECTRIC CONDUCTIVITY)

(LIVER)

(SPLEEN)

MASTRYUKOVA, V.M.; POLIVODA, A.I.

Changes in the elastic and viscous properties of the skin following massive doses of local irradiation [with summary in English]. Biofizika 4 no.1:101-107 Ja '58. (MIRA 12:1)

(SKIN, eff. of radiations,

x-rays, on elastic & viscous properties (Rus))

(ROENTGEN RAYS, effects,

on skin elasticity & viscous properties (Rus))

POLIVODA, A.I.; VINETSKIY, Yu.P.

Method of preparing quartz film for electron microscopy in connection
with the study of the fine structure of erythrocytes. Biofizika 4
no.5:599-601 '59. (MIRA 14:6)
(ERYTHROCYTES) (ELECTRON MICROSCOPY)

POLIVODA, A.I.; ZOLOTOVA, A.A.

Electron microscope studies of liver and spleen homogenates
in animals exposed to external irradiation. Med.rad. 4
no.9:39-45 S '59. (MIRA 12:11)
(LIVER radiation eff)
(SPLEEN radiation eff)
(MICROSCOPY ELECTRON)

BYKOV, Vladimir Andreyevich; NOVINSKIY, Georgiy Davydovich; SHALYT,
German Mikhaylovich; POLIVODA, A.I., kand.tekhn.nauk, nauchnyy
red.; STAROSTENKOVA, M.M., red.izd-va; ATROSHCHENKO, L.Ye.,
tekhn.red.

[Electronics in medicine] Elektronika v meditsine. Moskva,
Izd-vo "Znanie," 1960. 29 p. (Vsesoluznoe obshchestvo po ras-
prostraneniю politicheskikh i nauchnykh znaniy. Ser.8, Biolo-
giya i meditsina, no.21). (MIRA 13:12)
(MEDICAL ELECTRONICS)

POLIVODA, A. I.

PHASE I BOOK EXPLOITATION

SCN/5294

Akademiya nauk SSSR. Institut biologicheskoy fiziki.

Issledovaniye rannikh reaktsiy organizma na radiatsionnoye vozdeystviye (Study of Early Reactions of the Organism to Radiation Effects) Moscow, Izd-vo AN SSSR, 1960. 220 p. Errata slip inserted. 3,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut biologicheskoy fiziki.

Resp. Ed.: G.M. Frank, Corresponding Member, Academy of Sciences USSR; Ed. of Publishing House: B.V. Garian; Tech. Eds.: V. Volkova and Ye.V. Makuni.

PURPOSE: This book is intended for radiobiologists.

COVERAGE: This is a collection of nine articles by different authors on the effects of radiation on life processes. The following are discussed: the relationship between reflector mechanisms and disturbances in hemodynamics; the marked diminution or total absence of hemodynamic reactions under soft irradiation upon preliminary treatment of the skin with novocain; reflector-induced changes in the central nervous system and the almost instantaneous advent of fine physico-chemical reactions following irradiation; changes in the stability of the

Card 1/3

Study of Early Reactions (Cont.)

SOV/5294

erythrocyte level during the first several hours after irradiation; blood albumin changes after irradiation, occurring earlier than believed heretofore by scientists; and new and important data on tissue breathing and disturbances in the physicochemical properties of erythrocytes. N.W. Livshits, Doctor of Biological Sciences, is mentioned. Each article is accompanied by references.

TABLE OF CONTENTS:

Preface [A. Lebedinskiy]	3
Frank, G.M. Introduction. Radiation as a Disruptor of Regulative Controls of Life Processes	5
Nefedov, Yu.G. Disturbances in Blood Dynamics in Acute Radiation Injuries	14
Polivoda, A.I. Changes in the Elasticity and Hysteresis of Elastic-Type Arteries Due to a Total X-Ray Exposure	42

Card 2/3

Study of Early Reactions (Cont.)

SOV/5294

Veyze, L.G., and G.M. Frank. Changes in Blood Dynamics and Changes in the Mechanical Properties of Blood Vessels in Total and Local Irradiation	60
Gamburtsev, A.G. Changes in the Physicochemical Properties of Erythrocytes Under the Effect of Radiation	83
Blokhina, V.D. Albumin Fractions in the Blood Plasma of Animals Exposed to Different Doses of X-Rays	93
Vysochina, I.V. Effect of X-Ray Irradiation on the Gas Balance of the Blood	113
Snezhko, A.D. On Changes in the Oxygen Content of Brain Tissues Under the Effect of Radiation	125
Aladzhhalova, N.A. Characteristics of Physicochemical Changes in the Central Nervous System for Different Periods of Exposure to Radiation	167

AVAILABLE: Library of Congress

Card 3/3

JA/rn/gmp
7-29-61

POLIVODA, A.I.; MIKHAYLOVA, A.A.

~~Studying the electric constants of liver tissues in rats.~~

Biofizika 5 no. 5:612-616 '60.

(MIRA 13:10)

(LIVER) (ELECTROPHYSIOLOGY)

POLIVODA, A.I.; TARUSOV, B.N.; ZHURAVLEV, A.I. (Moskva)

Luminescence of skeletal formations under the influence of
radiation. Med.rad. no.10:90 '61. (MIRA 14:10)
(RADIATION—PHYSIOLOGICAL EFFECT) (BONES)
(LUMINESCENCE)

POLIVODA, A.I., ZHURAVLEV, A.I., TARUSSOV, B.N.

"Detection of Very Low Intensity Radiations from Animal Tissues, Their Mechanism and Kinetics."

report presented at the Intl. Biophysics Congress, Stockholm, Sweden, 31 July - 4 August 1961.

Department of Biophysics, Moscow State University, Moscow, USSR.

TARUSOV, B.N.; POLIVODA, A.I.; ZHURAVLEV, A.I.

Detection of chemoluminescence in the liver of irradiated mice.
Radiobiologiya 1 no.1:150-151 '61. (MIRA 14:7)
(X RAYS - PHYSIOLOGICAL EFFECT)
(PHOSPHORESCENCE)

POLIVODA, A.I.; MIKHAYLOVA, A.A.

Studying the electric characteristics of the rat liver in radiation
injury. Radiobiologiya 1 no.2:176-181 '61. (MIRA 14:7)
(GAMMA RAYS--PHYSIOLOGICAL EFFECT)
(ELECTROPHYSIOLOGY)

ZHURAVLEV, A.I., ~~POLIVODA~~, A.I.; TARUSOV, B.N.

Mechanism of radical and peroxide inactivation by natural tissue
antioxidants. Radiobiologiya 1 no.3:321-324 '61. (MIRA 14:10)
(ANTIOXIDANTS) (RADICALS(CHEMISTRY)) (PEROXIDES)

POLIVODA, A.I.; VINETSKIY, Yu.P.

Electron microscope study of erythrocytes on quartz and collodium
films. Biofizika 6 no. 1:128 '61. (MIRA 14:2)
(ERYTHROCYTES) (ELECTRON MICROSCOPY)

TARUSOV, B.N.; POLIVODA, A.I.; ZHURAVLEV, A.I.

Study of extremely weak spontaneous luminescence in animal cells.
Biofizika 6 no.4:490-492 '61. (MIRA 14:7)
(PHOSPHORESCENCE)

POLIVODA, A., kand.biologicheskikh nauk; KOZOREZOV, A., inzh.

Decatron-type erythrocyte and leucocyte counting device. Radio
no.9:22-24 S '62. (MIRA 15:9)

(Electronics in medicine)

43475

S/205/62/002/006/001/021
E027/E410

27 1220

AUTHORS: Polivoda, A.I., Sekamova, Ye.N.

TITLE: Ultraweak radiation (400 - 700 mμ) of surviving and homogenized liver tissue under normal conditions and under the influence of ionizing radiation

PERIODICAL: Radiobiologiya, v.2, no.6, 1962, 801-810

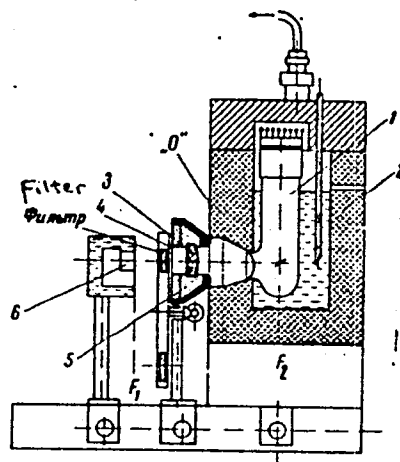
TEXT: The authors have previously observed that living mouse liver emits ultraweak radiation in the visible region (450 - 700 mμ) which can be detected with a photomultiplier, and in the present work they have used this radiation as an index of changes taking place in the tissues under the influence of ionizing radiation. The apparatus used is shown in Fig.1 and consists of a photomultiplier (1) immersed in liquid nitrogen in a specially designed vacuum flask (2) with a hole in the side through which the end of the photomultiplier projects, thus avoiding loss of light due to passage through the walls of the flask. The photomultiplier has a small nontransparent photocathode, giving low noise and a high quantum yield. The condensing system consists of a quartz lens (3) and a diaphragm (4). The tissue to be examined is

Card 1/3

Ultraweak radiation ...

S/205/62/002/006/001/021
E027/E410

Fig.1.



Card 3/3

TARUSOV, B.N.; POLIVODA, A.I.; ZHURAVLEV, A.I.; SEKANOVA, Ye.N.

Ultraweak spontaneous luminescence in animal tissues. Tsitol-
logiia 4 no.6:696-699 N-D'62 (MIRA 17:3)

1. Akademiya meditsinskikh nauk SSSR, Moskva.

POLIVODA, A.I.; SEKAMOVA, Ye.N.

Localization of primary reactions of radiation injury in sub-
microscopic tissue structures. Trudy MOIP. Otd. biol. 7:122-
126 '63. (MIRA 16:11)

L 5344-66

ACC NR: AP5026793

SOURCE CODE: UR/0286/65/000/017/0074/0075

INVENTOR: Voronin, G. I.; Polivoda, A. I.; Pirogov, A. A.; Chemodurov, N. Ya.; Udalova, F. A.

ORG: none

TITLE: Apparatus for dosing and dilution of liquid media. Class 42, No. 174384 [announced by Organization of the State Committee on Aviation Technology, SSSR (Organizatsiya gosudarstvennogo komiteta po aviatsionnoy tekhnike SSSR)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 74-75

TOPIC TAGS: fluid density, fluid density measurement, fluid mechanics

ABSTRACT: This author certificate describes an apparatus for dosing and dilution of liquid media. It contains a slide valve distribution system actuated by two control solenoids, a preliminary dilution chamber with a piston and return spring, and a final dilution chamber with a piston controlled by a programmed reversible electric motor (see Fig. 1). In order to render the process automatic, the preliminary

Card 1/2

UDC: 681.121.12

09010291

Card 2/2

BELOUSOV, A.Z., kand.med.nauk, NOVIKOV, Yu.V., ORESHKO, V.F., doktor tekhn. nauk,
POLIVODA, B.I., inzh.-fizik.

Radioactivity of the air conditioned by aerosols [with summary in
English. Gig. i San. 23 no.10:17-22 0 '58 (MIRA 11:11)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii
i gigiyeny imeni F.F. Erismana Ministerstva zdravookhraneniya RSFSR.

(AIR,

natural radioactivity of air, determ. of aerosols (Rus))
(RADIOACTIVITY,

same (Rus))

BELOUSOV, A.Z., NOVIKOV, Yu.V., ORESKO, V.F., POLIVODA, R.I.

Method of determining natural atmospheric radioactivity due to aerosols.
Gin. i san. 23 no.10:64-69 0 '58 (MIRA 11:11)

1. Iz Moskovskogo nauchno-issledovatel'skogo sanitarii i gigieny
imeni F.F. Erismana Ministerstva zdravookhraneniya RSFSR.

(AIR, natural radioactive aerosols, method of determ. (Rus))
(RADIOACTIVITY, radioactive aerosols in air, method of determ. (Rus))

ORESHKO, V.F., prof.; BELOUSOV, A.Z., kand.med.nauk; NOVIKOV, Yu.V.,
kand.med.nauk; POLIVODA, B.I.

Aspiration method for the determination of radioactive aerosols in
the atmosphere and the results of the investigation. Pred. dop.
kontsent. atmosf. zagr. no. 4:102-130 '60. (MIRA 13:10)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii
i gigieny imeni F.F. Erismana.
(RADIOACTIVITY) (AIR—POLLUTION) (AIR—ANALYSIS)

POLIVODA, D. I.,

"Higher Nervous Activity and Milk Secretion." (Dissertation for Degree of Candidate of Biological Science) Moscow Veterinary Academy of the Min Higher Education, Moscow, 1955

SO: M-1036 28 Mar 56

POLIVODA, M. M.

EPP.
.R93039

MOU OPYT BYRASHCHIVANIYAPOROSYAT. MOSKVA, IZD-VO ZNANIYE, 1952. 21 p. ILLUS.,
TABLES (VSESOYUZNOYE OBSHCHESTVO PO RASPROSTRANENIYU POLITICHESKIKH I NAUCHNYKH
ZNANIY. 1952, SERIYA 3, NO. 35)

POLIVODA, N.A.

Traumatism in different types of winter sports. Trudy Ukr.
nauch.-issl. inst. ortop. i travm. no.15:151-154 '59.

(MIRA 16:12)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta ortopedii i travmatologii imeni prof. M.I.Sitenko (dir. - chlen korrespondent AMN SSSR, prof. N.P.Novachenko).

SKOBLIN, A.P., kand.med.nauk, POLIVODA, N.A.

Twelfth International Congress on Medicine in Sports; Ortop.
travn. i protez. 19 no.5:94-97 S-O '58 (MIRA 11:12)

1. Iz Ukrainaskogo nauchno-issledovatel'skogo instituta ortopedii
i travmatologii imeni M.I. Sitenko (dir. - chlen-korrespondent
AMN SSSR prof. N.P. Novachenko).
(SPORTS--HYGIENIC ASPECTS)

POLIVODA, N. A.) Cand Med Sci -- "Arthroplasty of the hip joint. (Clinical and experimental study)." Dnepropetrovsk, 1960 (Min of Health UkSSR. Dnepropetrovsk State Med Inst). (KL, 1-61, 209)

-417-

POLIVODA, Z.

Seminar for pediatricians and epidemiologists. 7drav. Belor. 6
no. 5:72 My '60. (MIRA 13:10)
(DIPHTHERIA) (INTESTINES--DISEASES)

BAKALOV, A.N.; MOSTYKO, Ye.S.; POLIVODA, Z.M.

Methods for decreasing acute intestinal diseases. Zdrav. Bel. 9
no.6:66-68 Ja '63. (MIRA 17:5)

1. Iz Mogilevskogo oblastnogo otдела zdravookhraneniya (zaveduyushchaya-
M.V. Trusova) i sanitarno-epidemiologicheskogo upravleniya Ministerstva
zdravookhraneniya BSSR (nachal'nik -- A.V. Khovanskiy).

RYTIK, P.G.; SUDZHAYEV, G.A.; POLIVODA, Z.M. (Minsk)

Experience in the organization of inoculation rooms in White
Russia. Sov. zdravookhr. 22 no.3:31-34 '63 (MIRA 17:1)

1. Iz Ministerstva zdravookhraneniya BSSR i Belorusskogo in-
stituta epidemiologii, mikrobiologii i gigiyeny (dir. V.I.
Votyakov).

VYSKVARKO, G.G.; POLIVTSEV, F.P.

Problems in grape protection. Zashch. rast. ot vred. i bol. 6 no.
12:50-51 D '61. (MIRA 16:5)

POCLIVTSEV, F. P.

Agriculture

Agriculture in Moldavia, Izd. 3. Kishinev, Moldavgiz, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952 UNCLASSIFIED.

POLIVTSEV, F. P.

Polivtsev, F. P. - "The Theoretical Principles and Development of Measures to Combat the Western May Beetle (*Melolontha melolontha* L.) under the Conditions of Forest Fruit and Grape Farms in Moldavia." All-Union Order of Lenin Academy of Agricultural Sciences imeni V. I. Lenin. All-Union Sci Res Inst of Plant Conservation. Leningrad, 1956 (Dissertation for the Degree of Candidate in Agricultural Sciences).

So: Knizhnaya Letopis', No. 10, 1956, pp 116-127

LISTENGURT, M.A., kand.sel'skokhoz.nauk; POLIVTSEV, F.P., kand.sel'skokhoz.nauk

FPTN-2,25 soil fumigator. Zashch. rast. ot vred. i bol. 5
no.9:12 S '60. (MIRA 15:6)

(Fumigation)
(Agricultural machinery)

POLIVTSEV F. P.

USSR/General and Special Zoology - Insects.

P.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30545

Author : Polivtsev, F.P.

Inst : The All-Union Institute of Plant Protection.

Title : Control Methods of the Western May Beetle During the Period of Supplementary Nutrition.

Orig Pub : Sb. tr. Mold. st. Vses. in-ta zashchity rast. 1957, vyp. 2, 121-136.

Abstract : Signs indicating the need to begin dusting were as follows: take-off of 77-97% of the beetles from the smooth surfaced soil; a close to 1:1 sex correlationship between the sexes in the crowns of the feeding trees; an average temperature equal to 12⁰-13.1⁰. The most effective poison was the 12% HCH dust. When it was sprayed there was no take off of the beetles: there were 37.6% males on the crowns and

Card 1/2

USSR/General and Special Zoology - Insects.

P.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30544

Author : Polivtsev, F.P.

Inst :

Title : The Principles and Developmental Measures in the Control
of Larvae of the Western May Beetle.

Orig Pub : Sb. tr. Mold. si. Vses. in-ta zashchity rast., 1957, vyp.
2, 137-153.

Abstract : From the middle of April to the end of June the larvae of
the Western May beetle were found in the upper layer of
the soil, damaging the roots of the plants. At the end
of June and the beginning of July the larvae of the se-
cond hatching and also part of the larvae of the first
hatching went into molting; the larvae of the third
hatching passed into the chrysalis stage. After molting
the larvae which ascended into the upper layers in
August - September fed voraciously on the plants

Card 1/2

RYABININ, D.D.; POLIV'YANIZ, A.P. [Polyv'lyani, A.P.]

Rolls for the manufacture of "peronite" (asbestos-rubber)
sheets. Khim. prom. [Ukr.] no.4:45-47 OLI'63.

(MIRA 17:6)

RYABININ, D.D.; ANDRIYCHUK, V.D.; POLIV'YANIY, A.P. [Polyv'iany, A.P.]

Design of mixers for plastics. Khim.prom. [Ukr.] no.1:80-82
Ja-Mr '64. (MIRA 17:3)

RYABININ, D.D.; POLIV'YANIY, A.P. [Polyv'ianyi, A.P.]

Equipment for the continuous polymerization of polyisoprene
synthetic rubbers. Khim. prom. [Ukr.] no.2:56-59 Ap-Je '63.
(MIRA 16:8)

1. Kiyevskiy politekhnicheskoy institut i Kiyevskiy zavod
"Bol'shevik".

POLIV'YANIY, P.M. [Polyv'ianyi, P.M.], assistant

Soils of the western part of the Ostrog Lowland. Nauk. pratsi
UASHN 17: no. 12: 127-133 '60. (MIRA 16:7)

(Ostrog region--Soils)

POLIYENKO, A.

New stage in the trade among the countries participating in the
Mutual Economic Assistance Council. Vnesh.torg. 42 no.1:9-13
'63. (MIRA 16:2)
(Mutual Economic Assistance Council)

POLIYENKO, A.

Finland - Economic Conditions

Finland's foreign trade. Vnesh. torg. 22, No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress
September 1952. UNCLASSIFIED.

POLIYENKO, A.A.

New developments in the Liski Division. Put' i put.khoz. 5
no.10:10-11 0 '61. (MIRA 14:10)

1. Nachal'nik Liskinskoy distantzii puti, Yugo-Vostochnoy dorogi.
(Liski--Railroads--Maintenance and repair)

POLIYENKO, ALEKSANDR MINOVICH

Dolgosrochnyye Ekonomicheskiye Soglasheniya Mezhdru Yevropeyskimi
Sotsialisticheskimi Stranami. Moskva, Vneshtorgizdat, 1960.

54 p. tables.

Bibliographical footnotes.

POLIYENOV, A., kapitan militsii

The pedestrian is the violator of regulations. Za bezop.dvizh.
4 no.2:12-13 F '62. (MIRA 15:5)

(Traffic regulations)

POLIYENOV, A.

Automobile and bicycle drivers. Za bezop.dvizh. 6 no.7:10
Jl '63. (MIRA 16:10)

1. Inspektor Otdela regulirovaniya ulichnogo dvizheniya,
Gosudarstvennaya avtomobil'naya inspektsiya.

POLIYENOV, A.

How to lead a discussion. Za bezop.dvizh. 4 no.4:4-5 Ap '62.
(MIRA 15:5)

1. Inspektor otdeleniya propagandy i agitatsii Otdela
regulirovaniya ulichnogo dvizheniya Gosudarstvennoy avtomobil'noy
inspeksii.

(Traffic safety)

REBIKOV, Ye.I.; POLIYEVKTOV, I.A., professor.

Diagnosis and therapy of general obturation of the biliary duct by ascarides in children. *Pediatrics* no.3:64-67 My-Je '53. (MLRA 6:8)

1. Gospiatal'naya khirurgicheskaya klinika Severo-Osetinskogo meditsinskogo instituta. (Bile ducts--Diseases) (Worms, Intestinal and parasitic)

ZHDANOV, S.I.; POLIYEVKTOV, M.K.

Polarography of diphenylcyclopropenone. *Zhur.obkhim.* 31 no.12:3870-
3873 D '61. (MIRA 15:2)

1. Institut elektrokhemii AN SSSR.
(Propenone)

POLIYEVKTOV, M.K.; MAYRANOVSKIY, S.G.

Effect of concentration and nature of supporting electrolyte cations on polarographic catalytic hydrogen waves generated by pyridine in nonbuffer solutions. Izv. AN SSSR. Ser. khim. no.3:413-419 '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

MAYRANOVSKIY, S.G.; POLIYEVKIOV, M.K.

Polarographic determination of the diffusion coefficient
of hydroxyl ions in aqueous solutions of alkali metal nitrates.
Zhur. fiz. khim. 37 no.4:885-887 Ap '63. (MIRA 17:7)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

FIOSHIN, M.Ya.; GIRINA, G.P.; VASIL'YEV, Yu.B.; KHRULEV, M.V.; POLIYEVKTOV,
M.K.; ARTEM'YEV, ~~ASO~~.

Additions of alcohols and their effect on Kobe's electrosynthesis.
Dokl. AN SSSR 140 no.6:1388-1391 O '61. (MIRA 14:11)

1. Institut elektrokhimii AN SSSR. Predstavleno akademikom A.N.
Frumkinym.

(Chemistry, Organic--Synthesis) (Electolysis)

^v
POLIYKTOV-NIKOLADZE, N.M.

Photon capture by a free meson. Soob.AN Gruz.SSR 8 no.8:517-524 '47.
(MIRA 9:7)
1.Akademiya nauk Gruzinskoy SSR, Institut fiziki i geofiziki, Tbilisi.
Predstavlene akademikom N.I.Muskhelishvili.
(Photons--Capture) (Mesons)

POLYEVKTOV-NIKOLADZE, N.M.

Derivation of relativistic equations for free particles with a
1/2 spin. Soob.AN Gruz.SSR 9 no.1:11-17 '48. (MIRA 9:7)

1.Akademiya nauk Gruzinskoy SSR, Institut fiziki i geofiziki,
Tbilisi. Predstavleno akademikom N.I.Muskhelishvili.
(Quantum theory) (Particles, Elementary)

POLIVKOV-NIKOLADZE, N.M.

Green's function for photons. Dokl. AN SSSR no.4:703-705 D '55.
(MLRA 9:3)

1. Predstavleno akademikom H.N. Bogolyubovym.
(Photons) (Potential, Theory of)